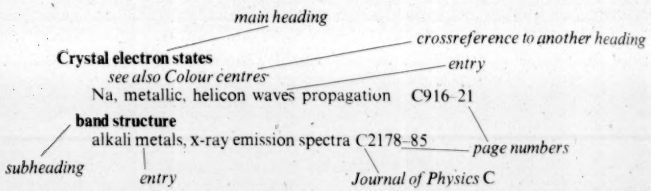
Journal of Physics C: Solid State Physics
1970, Volume 3

Subject index

Introduction

The entries in this index refer to the papers by their journal series and page number. The entries are grouped together under headings (printed in bold type e.g. **Hall effect**). If a heading for a particular subject does not appear, the subject may be in the form of a cross-reference to another heading, perhaps of a more general nature. Some of the headings are subdivided by the use of subheadings, which are indented (i.e. printed slightly to the right) and commence with a small letter.

The information contained in the subject index is illustrated by the following example:



Associated with the subheading 'band structure' is a '*see*' crossreference as follows:

Band structure *see Crystal electron states/band structure*

This means that for papers on 'band structure' the reader should consult the subheading 'band structure' of 'Crystal electron states' as displayed above.

Arrangement of headings and subheadings

The headings and crossreferences are arranged throughout the index in alphabetical order according to the 'word by word' system. The subheadings are themselves arranged in alphabetical order under their respective headings.

Arrangement of entries under headings

Entries are arranged in three distinct groups as follows:

First group: arabic numerals
Second group: English alphabet (A–Z), roman numerals, Greek alphabet, elementary particle symbols e.g. μ for muon, ρ for proton
Third group: chemical formulae (including entries beginning with nuclei e.g. ^{57}Fe)

Nuclei, elements, compounds and other substances

Papers on nuclei whose mass number (or mass number range) is given are listed under a set of headings which begin 'Nuclei with . . . . ' e.g. Nuclei with $6 \leqslant A \leqslant 19$ where A is the mass number.

Papers on elements are grouped under headings of the given element e.g. 'Sodium', and inorganic compounds under appropriate compound headings e.g. AgCl under 'Silver compounds'.

Alloys are grouped under compounds of named constituents e.g. Au–Ag alloys under 'Gold compounds' and 'Silver compounds'. There are also four special headings for the common alloys: 'Aluminium alloys', 'Copper alloys', 'Iron alloys', 'Nickel alloys'.

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1970
Pages L1–196, 1–2566

Journal of Physics C

Solid State Physics

EUROPHYSICS JOURNAL

THE INSTITUTE OF PHYSICS AND
THE PHYSICAL SOCIETY

LONDON AND BRISTOL

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Published by The Institute of Physics and The Physical Society, 47 Belgrave Square, London SW1, England, in association with the American Institute of Physics.

Journal of Physics C: Solid State will be published 18 times a year in 1971. Details are available on request.

Printed in Great Britain by Page Bros. (Norwich) Ltd. Set in 10/11pt. Times.

Journal of Physics C: Solid State Physics

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